

DERWENT ABSTRACT OF DE 4034062 A1 (IDS)

DERWENT-ACC-NO: 1992-151813

PCFAR SCAN

TSS
3/6/2006

DERWENT-WEEK: 199808

COPYRIGHT 2006 DERWENT INFORMATION LTD

TITLE: Longitudinally segmented drive ring for low calibre projectile - has gas pressure forces transferred by drive ring pressure flange to penetrator

INVENTOR: DIEL, R; GEIS, M ; KRUSE, H J ; MEYER, J ; PAHNKE, K D ; SIPPEL, A ; KRUSE, H ; PAHNKE, K

PATENT-ASSIGNEE: RHEINMETALL GMBH [RHEM] , RHEINMETALL IND AG [RHEM]

PRIORITY-DATA: 1990DE-4034062 (October 26, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
<u>DE 4034062 A</u>	April 30, 1992	N/A
006 N/A		
DE 4034062 C2	January 29, 1998	N/A
006 F42B 014/06		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
DE 4034062A	N/A	1990DE-4034062
October 26, 1990		
DE 4034062C2	N/A	1990DE-4034062
October 26, 1990		

INT-CL (IPC): F42B014/06

ABSTRACTED-PUB-NO: DE 4034062A

BASIC-ABSTRACT:

The drive ring (3) has at its end facing the rear of the penetrator (2) a pressure flange (6) supporting a guide strip (7). The ring also has recesses in the area of the pressure flange where low material loads occur during

firing. Such recesses are filled with a material lighter than aluminium, and are formed in the segment dividing surfaces.

The recesses are drilled radially in the pressure flange in the side turned away from the pressure. The drive ring is of the two-flange drive cage, type, both flanges supporting against the weapon barrel. The front flange (4) has an air pocket (5) which activates the opening of the drive ring after leaving the barrel.

USE - For military applications, as a segmented drive ring for a projectile.

CHOSEN-DRAWING: Dwg.1a/6

TITLE-TERMS: LONGITUDE SEGMENT DRIVE RING LOW CALIBRE PROJECTILE GAS PRESSURE

FORCE TRANSFER DRIVE RING PRESSURE FLANGE PENETRATE

DERWENT-CLASS: Q79

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1992-118962